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09/049,696

Page 1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: P. Billing-Medel, *et al.*

Serial No.: 09/049,696

Filed: March 27, 1998

For: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE  
GASTROINTESTINAL TRACT

Examiner: J. Martinell

Group Art Unit: 1631

Attorney Docket No.: 6067.US.P1

Date: February 11, 2003

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Commissioner for Patents  
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Dear Sir:

Enclosed herewith is Submission of Formal Drawings of P. A. Billing-Medel, *et al.*, for REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL TRACT, the specification of which was filed on March 27, 1998, and received Serial No. 09/049,696.

Also enclosed are : Formal Drawings - Figures 1A - 1G through 3  
Return-receipt postcard.

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR 1.16, as well as any patent application processing fees under 37 CFR 1.17 associated with this communication for which full payment has not been tendered, to Deposit Account No. 01-0025. A duplicate copy of this sheet is enclosed.



23492

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Dear Sir:

Enclosed are Formal Drawings for Figures 1A -1G through Figure 3 (9 pages) of P. A. Billing-Medel, *et al.*, for REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL TRACT, the specification of which was filed on March 27, 1998, and received Serial No. 09/049,696.



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Attorney for Applicants



>1737775	GAAATCACAG	GGAGATGTAC	AGCAATGGGG	CCATTTAAGA	GTTCTGTGTT
>1737775IH	GAAATCACAG	GGAGATGTAC	AGCAATGGGG	CCATTTAAGA	GTTCTGTGTT
Consensus	GAAATCACAG	GGAGATGTAC	AGCAATGGGG	CCATTTAAGA	GTTCTGTGTT
>1737775	CATCTTGATT	CTTCACCTTC	TAGAAGGGGC	CCTGAGTAAT	TCACTCATTC
>1737775IH	CATCTTGATT	CTTCACCTTC	TAGAAGGGGC	CCTGAGTAAT	TCACTCATTC
Consensus	CATCTTGATT	CTTCACCTTC	TAGAAGGGGC	CCTGAGTAAT	TCACTCATTC
>1737775	AGCTGAACAA	CAATGGCTAT	GAAGGCATTG	TCGTTGCAAT	CGACCCCAAT
>1737775IH	AGCTGAACAA	CAATGGCTAT	GAAGGCATTG	TCGTTGCAAT	CGACCCCAAT
>776455				GTTGCAAT	CGACCCCAAT
Consensus	AGCTGAACAA	CAATGGCTAT	GAAGGCATTG	TCGTTGCAAT	CGACCCCAAT
>1737775	GTGCCAGAAG	ATGAAACACT	CATTCAACAA	ATAAAGGACA	TGGTGACCCA
>1737775IH	GTGCCAGAAG	ATGAAACACT	CATTCAACAA	ATAAAGGACA	TGGTGACCCA
>776455	GTGCCAGAAG	ATGAAACACT	CATTCAACAA	ATAAAGGACA	TGGTGACCCA
Consensus	GTGCCAGAAG	ATGAAACACT	CATTCAACAA	ATAAAGGACA	TGGTGACCCA
>1737775	GGCATCTCTG	TATCTGTTTG	AAG		
>1737775IH	GGCATCTCTG	TATCTGTTTG	AAGCTACAGG	AAAGCGATTT	TATTTCAAAA
>776455	GGCATCTCTG	TATCTGTTTG	AAGCTACAGG	AAAGCGATTT	TATTTCAAAA
Consensus	GGCATCTCTG	TATCTGTTTG	AAGCTACAGG	AAAGCGATTT	TATTTCAAAA
>1737775IH	ATGTTGCCAT	TTTGATTCCCT	GAAACATGGA	AGACAAAGGC	TGACTATGTG
>776455	ATGTTGCCAT	TTTGATTCCCT	GAAACATGGA	AGACAAAGGN	TGACTATGTG
Consensus	ATGTTGCCAT	TTTGATTCCCT	GAAACATGGA	AGACAAAGGC	TGACTATGTG
>1737775IH	AGACCAAAAC	TTGAGACCTA	CAAAAATGCT	GATGTTCTGG	TTGCTGAGTC
>776455	AGACCAAAAC	TTGAGACCTA	CAAAAATGCT	GATGTTCTGG	TTGCTGAGTC
>3234527			AAAATGCT	GATGTTCTGG	TTGCTGAGTC
Consensus	AGACCAAAAC	TTGAGACCTA	CAAAAATGCT	GATGTTCTGG	TTGCTGAGTC
>1737775IH	TACTCCTCCA	GGTAATGATG	AACCCTACAC	TGAGCAGATG	GGCAACTGTG
>776455	TANTCCTCCA	GGNAATGATG	AACCCTACAC	TGNGCAGATG	GGCAACTGTG
>3234527	TACTCCTCCA	GGTAATGATG	AACCCTACAC	TGAGCAGATG	GGCAACTGTG
Consensus	TACTCCTCCA	GGTAATGATG	AACCCTACAC	TGAGCAGATG	GGCAACTGTG
>1737775IH	GAGAGAAGGG	TGAAAGGATC	CACCTCACTC	CTGATTTTCAT	TGCAGGAAAA
>776455	GCGAG				
>3234527	GAGAGAAGGG	TGAAAGGATC	CACCTCACTC	CTGATTTTCAT	TGCAGGAAAA
Consensus	GAGAGAAGGG	TGAAAGGATC	CACCTCACTC	CTGATTTTCAT	TGCAGGAAAA
>1737775IH	AAGTTAGCTG	AATATGGACC	ACAAGGTAGG	GCATTTGTCC	ATGAGTGGGC
>3234527	AAGTTAGCTG	AATATGGACC	ACAAGGTAGG	GCATTTGTCC	ATGAGTGGGC
Consensus	AAGTTAGCTG	AATATGGACC	ACAAGGTAGG	GCATTTGTCC	ATGAGTGGGC
>1737775IH	TCATCTACGA	TGGGGAGTAT	TTGACGAGTA	CAATAATGAT	GAGAAATTCT
>3234527	TCATCTACGA	TGGGGAGTAT	TTGACGAGTA	CAATAATGAT	GAGAAATTCT
Consensus	TCATCTACGA	TGGGGAGTAT	TTGACGAGTA	CAATAATGAT	GAGAAATTCT

FIG. 1A

>1737775IH	ACTTATCCAA	TGGAAGAATA	CAAGCAGTAA	GATGTTTCAGC	AGGTATTACT
>3234527	ACTTATCCAA	TG			
Consensus	ACTTATCCAA	TGGAAGAATA	CAAGCAGTAA	GATGTTTCAGC	AGGTATTACT
>1737775IH	GGTACAAATG	TAGTAAAGAA	GTGTCAGGGA	GGCAGCTGTT	ACACCAAAAAG
>1628724					CAAAAAG
Consensus	GGTACAAATG	TAGTAAAGAA	GTGTCAGGGA	GGCAGCTGTT	ACACCAAAAAG
>1737775IH	ATGCACATTC	AATAAAGTAA	CAGGACTCTA	TGAAAAAGGA	TGTGAGTTTG
>1628724	ATGCACATTC	AATAAAGTAA	CAGGACTCTA	TGAAAAAGGA	TGTGAGTTTG
Consensus	ATGCACATTC	AATAAAGTAA	CAGGACTCTA	TGAAAAAGGA	TGTGAGTTTG
>1737775IH	TTCTCCAATC	CCGCCAGACG	GAGAAGGCTT	CTATAATGTT	TGCACAACAT
>1628724	TTCTCCAATC	CCGCCAGACG	GAGAAGGCTT	CTATAATGTT	TGCACAACAT
Consensus	TTCTCCAATC	CCGCCAGACG	GAGAAGGCTT	CTATAATGTT	TGCACAACAT
>1737775IH	GTTGATTCTA	TAGTTGAATT	CTGTACAGAA	CAAAACCACA	ACAAAGAAGC
>1628724	GTTGATTCTA	TAGTTGAATT	CTGTACAGAA	CAAAACCACA	ACAAAGAAGC
>1427224		CTA TAGTTGAATT	CTGTACAGAA	CAAAACCACA	ACAAAGAAGC
Consensus	GTTGATTCTA	TAGTTGAATT	CTGTACAGAA	CAAAACCACA	ACAAAGAAGC
>1737775IH	TCCAAACAAG	CAAAATCAAA	AATGCAATCT	CCGAAGCACA	TGGGAAGTGA
>1628724	TCCAAACAAG	CAAAATCAAA	AATGC		
>1427224	TCCAAACAAG	CAAAATCAAA	AATGCAATCT	CCGAAGCACA	TGGGAAGTGA
Consensus	TCCAAACAAG	CAAAATCAAA	AATGCAATCT	CCGAAGCACA	TGGGAAGTGA
>1737775IH	TCCGTGATTC	TGAGGACTTT	AAGAAAACCA	CTCCTATGAC	AACACAGCCA
>1427224	TCCGTGATTC	TGAGGACTTT	AAGAAAACCA	CTCCTATGAC	AACACAGCCA
Consensus	TCCGTGATTC	TGAGGACTTT	AAGAAAACCA	CTCCTATGAC	AACACAGCCA
>1737775IH	CCAAATCCCA	CCTTCTCATT	GCTGCAGATT	GGACAAAGAA	TTGTGTGTTT
>1427224	CCAAATCCCA	CCTTCTCATT	GCTGCAGATT	GGACAAAGAA	TTGTGTGTTT
>3235571				CAAAGAA	TTGTGTGTTT
Consensus	CCAAATCCCA	CCTTCTCATT	GCTGCAGATT	GGACAAAGAA	TTGTGTGTTT
>1737775IH	AGTCCTTGAC	AAATCTGGAA	GCATGGCGAC	TGGTAACCGC	CTCAATCGAC
>1427224	AGTCCTTGAC	AAATCTGGAA	GCATGGC		
>3235571	AGTCCTTGAC	AAATCTGGAA	GCATGGCGAC	TGGTAACCGC	CTCAATCGAC
Consensus	AGTCCTTGAC	AAATCTGGAA	GCATGGCGAC	TGGTAACCGC	CTCAATCGAC
>1737775IH	TGAATCAAGC	AGGCCAGCTT	TTCCTGCTGC	AGACAGTTGA	GCTGGGGTCC
>3235571	TGAATCAAGC	AGGCCAGCTT	TTCCTGCTGC	AGACAGTTGA	GCTGGGGTCC
Consensus	TGAATCAAGC	AGGCCAGCTT	TTCCTGCTGC	AGACAGTTGA	GCTGGGGTCC
>1737775IH	TGGGTTGGGA	TGGTGACATT	TGACAGTGCT	GCCCATGTAC	AAAGTGAAC
>3235571	TGGGTTGGGA	TGGTGACATT	TGACAGTGCT	GCCCATGTAC	AAAGTGAAC
Consensus	TGGGTTGGGA	TGGTGACATT	TGACAGTGCT	GCCCATGTAC	AAAGTGAAC

FIG. 1B



>1737775IH	CATACAGATA	AACAGTGGCA	GTGACAGGGA	CACACTCGCC	AAAAGATTAC
>3235571	CATACAGATA	AACAGTGGCA	GTGACAGGGA	CACACTCGCC	AAAAGATTAC
Consensus	CATACAGATA	AACAGTGGCA	GTGACAGGGA	CACACTCGCC	AAAAGATTAC
>1737775IH	CTGCAGCAGC	TTCAGGAGGG	ACGTCCATCT	GCAGCGGGCT	TCGATCGGCA
>3235571	CTGCAGCAGC	TTCAGGAGGG	ACGTCCATCT	GCAGC	
Consensus	CTGCAGCAGC	TTCAGGAGGG	ACGTCCATCT	GCAGCGGGCT	TCGATCGGCA
>1737775IH	TTTACTGTGA	TTAGGAAGAA	ATATCCAAC	GATGGATCTG	AAATTGTGCT
>2680592		GAA	ATATCCAAC	GATGGATCTG	AAATTGTGCT
Consensus	TTTACTGTGA	TTAGGAAGAA	ATATCCAAC	GATGGATCTG	AAATTGTGCT
>1737775IH	GCTGACGGAT	GGGGAAGACA	ACACTATAAG	TGGGTGCTTT	AACGAGGTCA
>2680592	GCTGACGGAT	GGGGAAGACA	ACACTATAAG	TGGGTGCTTT	AACGAGGTCA
Consensus	GCTGACGGAT	GGGGAAGACA	ACACTATAAG	TGGGTGCTTT	AACGAGGTCA
>1737775IH	AACAAAGTGG	TGCCATCATC	CACACAGTCG	CTTTGGGGCC	CTCTGCAGCT
>2680592	AACAAAGTNG	TGCCATCATC	CACACAGTCG	CTTTGGGGCC	CTCTGCAGCT
>608819	AACAAAGTGG	TGCCATCATC	CACACAGTCG	CTTTGGGGCC	CTCTGCAGCT
>608819IH	AACAAAGTGG	TGCCATCATC	CACACAGTCG	CTTTGGGGCC	CTCTGCAGCT
Consensus	AACAAAGTGG	TGCCATCATC	CACACAGTCG	CTTTGGGGCC	CTCTGCAGCT
>1737775IH	CAAGAACTAG	AGGAGCTGTC	CAAAATGACA	GGAGGTTTAC	AGACATATGC
>2680592	CAAGAACTAG	AGGAGCTGTC	CAAAATGACA	GGAGGTTTAC	AGACATATGC
>608819	CAAGAACTAG	AGGAGCTGTC	CAAAATGACA	GGAGGTTTAC	AGACATATGC
>608819IH	CAAGAACTAG	AGGAGCTGTC	CAAAATGACA	GGAGGTTTAC	AGACATATGC
Consensus	CAAGAACTAG	AGGAGCTGTC	CAAAATGACA	GGAGGTTTAC	AGACATATGC
>1737775IH	TTCAGATCAA	GTTTCAGAACA	ATGGCCTCAT	TGATGCTTTT	GGGGCCCTTT
>2680592	TTCAGATCAA	GTTTCAGAACA	ATGGCCTCAT	TGATGCTTTT	GGGGCCCTTT
>608819	TTCAGATCAA	GTTTCAGAACA	ATGGCCTCAT	TGATGCTTTT	GGGGCCCTTT
>608819IH	TTCAGATCAA	GTTTCAGAACA	ATGGCCTCAT	TGATGCTTTT	GGGGCCCTTT
>1629002		GAACA	ATGGCCTCAT	TGATGCTTTT	GGGGCCCTTT
Consensus	TTCAGATCAA	GTTTCAGAACA	ATGGCCTCAT	TGATGCTTTT	GGGGCCCTTT
>1737775IH	CATCAGGAAA	TGGAGCTGTC	TCTCAGCGCT	CCATCCAGCT	TGAGAGTAAG
>2680592	CATCAGGAAA	TGGAGCTGTC	TCTCAGCGCT	CCATCCAGCT	TGAGAGTAAG
>608819	CATCAGGAAA	TGGAGCTGTC	TCTCAGCGCT	CCATCCAGCT	TGAGAGTAAG
>608819IH	CATCAGGAAA	TGGAGCTGTC	TCTCAGCGCT	CCATCCAGCT	TGAGAGTAAG
>1629002	CATCAGGAAA	TGGAGCTGTC	TCTCAGCGCT	CCATCCAGCT	TGAGAGTAAG
Consensus	CATCAGGAAA	TGGAGCTGTC	TCTCAGCGCT	CCATCCAGCT	TGAGAGTAAG

FIG. 1C



>1737775IH	GGATTAACCC	TCCAGAACAG	CCAGTGGATG	AATGGCACAG	TGATCGTGGA
>2680592	GGATTA				
>608819	GGATTAACCC	TCCAGAACAG	CCAGTGGATG	AATGGCACAG	TGATCGTGGA
>608819IH	GGATTAACCC	TCCAGAACAG	CCAGTGGATG	AATGGCACAG	TGATCGTGGA
>1629002	GGATTAACCC	TCCAGAACAG	CCAGTGGATG	AATGGCACAG	TGATCGTGGA
>1626435				GGCACAG	TGATCGTGGA
Consensus	GGATTAACCC	TCCAGAACAG	CCAGTGGATG	AATGGCACAG	TGATCGTGGA
>1737775IH	CAGCACCGTG	GGAAAGGACA	CTTTGTTTCT	TATCACCTGG	ACAACGCAGC
>608819	CAG				
>608819IH	CAGCACCGTG	GGAAAGGACA	CTTTGTTTCT	TATCACCTGG	ACAACGCAGC
>1629002	CAGCACCGTG	GGAAAGGACA	CTTTGTTTCT	TATCACCTGG	ACAACGCAGC
>1626435	CAGCACCGTG	GGAAAGGACA	CTTTGTTTCT	TATCACCTGG	ACAACGCAGC
Consensus	CAGCACCGTG	GGAAAGGACA	CTTTGTTTCT	TATCACCTGG	ACAACGCAGC
>1737775IH	CTCCCCAAAT	CCTTCTCTGG	GATCCCAGTG	GACAGAAGCA	AGGTGGCTTT
>608819IH	CTCCCCAAAT	CCTTCTCTGG	GATCCCAGTG	GACAGAAGCA	AGGTGGCTTT
>1629002	CTCCCCAAAT	CCTTCTCTGG	GATCCCAGTG	GAC	
>1626435	CTCCCCAAAT	CCTTCTCTGG	GATCCCAGTG	GACAGAAGCA	AGGTGGCTTT
>1582693					GGCTTT
Consensus	CTCCCCAAAT	CCTTCTCTGG	GATCCCAGTG	GACAGAAGCA	AGGTGGCTTT
>1737775IH	GTAGTGGACA	AAAACACCAA	AATGGCCTAC	CTCCAAATCC	CAGGCATTGC
>608819IH	GTAGTGGACA	AAAACACCAA	AATGGCCTAC	CTCCAAATCC	CAGGCATTGC
>1626435	GTAGTGGACA	AAAACACCAA	AATGGCCTAC	CTCCAAATCC	CAGGCATTGC
>1582693	GTAGTGGACA	AAAACACCAA	AATGGCCTAC	CTCCAAATCC	CAGGCATTGC
Consensus	GTAGTGGACA	AAAACACCAA	AATGGCCTAC	CTCCAAATCC	CAGGCATTGC
>1737775IH	TAAGGTTGGC	ACTTGGAAT	ACAGTCTGCA	AGCAAGCTCA	CAAACCTTGA
>608819IH	TAAGGTTGGC	ACTTGGAAT	ACAGTCTGCA	AGCAAGCTCA	CAAACCTTGA
>1626435	TAAGGTTGGC	ACTTGGAAT	ACAGTCTGCA	AGCAAGCTCA	CAAACCTTGA
>1582693	TAAGGTTGGC	ACTTGGAAT	ACAGTCTGCA	AGCAAGCTCA	CAAACCTTGA
Consensus	TAAGGTTGGC	ACTTGGAAT	ACAGTCTGCA	AGCAAGCTCA	CAAACCTTGA
>1737775IH	CCCTGACTGT	CACGTCCCGT	GCGTCCAATG	CTACCCTGCC	TCCAATTACA
>608819IH	CCCTGACTGT	CACGTCCCGT	GCGTCCAATG	CTACCCTGCC	TCCAATTACA
>1626435	CCCTGACTGT	CA			
>1582693	CCCTGACTGT	CACGTCCCGT	GCGTCCAATG	CTACCCTGCC	TCCAATTACA
Consensus	CCCTGACTGT	CACGTCCCGT	GCGTCCAATG	CTACCCTGCC	TCCAATTACA
>1737775IH	GTGACTTCCA	AAACGAACAA	GGACACCAGC	AAATTCCCCA	GCCCTCTGGT
>608819IH	GTGACTTCCA	AAACGAACAA	GGACACCAGC	AAATTCCCCA	GCCCTCTGGT
>1582693	GTGACTTCCA	AAACGAACAA	GGACACCAGC	AAATT	
>1281379			GACACCAGC	AAATTCCCCA	GCCCTCTGGT
Consensus	GTGACTTCCA	AAACGAACAA	GGACACCAGC	AAATTCCCCA	GCCCTCTGGT

FIG. 1D



>1737775IH	AGTTTATGCA	AATATTCGCC	AAGGAGCCTC	CCCAATTCTC	AGGGCCAGTG
>608819IH	AGTTTATGCA	AATATTCGCC	AAGGAGCCTC	CCCAATTCTC	AGGGCCAGTG
>1281379	AGTTTATGCA	AATATTCGCC	AAGGAGCCTC	CCCAATTCTC	AGGGCCAGTG
Consensus	AGTTTATGCA	AATATTCGCC	AAGGAGCCTC	CCCAATTCTC	AGGGCCAGTG
>1737775IH	TCACAGCCCT	GATTGAATCA	GTGAATGGAA	AAACAGTTAC	CTTGGAAC TA
>608819IH	TCACAGCCCT	GATTGAATCA	GTGAATGGAA	AAACAGTTAC	CTTGGAAC TA
>1281379	TCACAGCCCT	GATTGAATCA	GTGAATGGAA	AAACAGTTAC	CTTGGAAC TA
Consensus	TCACAGCCCT	GATTGAATCA	GTGAATGGAA	AAACAGTTAC	CTTGGAAC TA
>1737775IH	CTGGATAATG	GAGCAGGTGC	TGATGCTACT	AAGGATGACG	GTGTCTACTC
>608819IH	CTGGATAATG	GAGCAGGTGC	TGATGCTACT	AAGGATGACG	GTGTCTACTC
>1281379	CTGGATAATG	GAGCAGGTGC	TGATGCTACT	AAGGATGACG	GTGTCTACTC
Consensus	CTGGATAATG	GAGCAGGTGC	TGATGCTACT	AAGGATGACG	GTGTCTACTC
>1737775IH	AAGGTATTTT	ACAACCTTATG	ACACGAATGG	TAGATACAGT	GTAAAAGTGC
>608819IH	AAGGTATTTT	ACAACCTTATG	ACACGAATGG	TAGATACAGT	GTAAAAGTGC
>1281379	AAGGTATTTT	ACAACCTTATG	ACACGAATGG	TAGATACAGT	GTAAAAGTGC
>1628509					GTGC
Consensus	AAGGTATTTT	ACAACCTTATG	ACACGAATGG	TAGATACAGT	GTAAAAGTGC
>1737775IH	GGGCTCTGGG	AGGAGTTAAC	GCAGCCAGAC	GGAGAGTGAT	ACCCAGCAG
>608819IH	GGGCTCTGGG	AGGAGTTAAC	GCAGCCAGAC	GGAGAGTGAT	ACCCAGCAG
>1281379	GGGCTC				
>1628509	GGGCTCTGGG	AGGAGTTAAC	GCAGCCAGAC	GGAGAGTGAT	ACCCAGCAG
Consensus	GGGCTCTGGG	AGGAGTTAAC	GCAGCCAGAC	GGAGAGTGAT	ACCCAGCAG
>1737775IH	AGTGGAGCAC	TGTACATACC	TGGCTGGATT	GAGAATGATG	AAATACAATG
>608819IH	AGTGGAGCAC	TGTACATACC	TGGCTGGATT	GAGAATGATG	AAATACAATG
>1628509	AGTGGAGCAC	TGTACATACC	TGGCTGGATT	GAGAATGATG	AAATACAATG
Consensus	AGTGGAGCAC	TGTACATACC	TGGCTGGATT	GAGAATGATG	AAATACAATG
>1737775IH	GAATCCACCA	AGACCTGAAA	TTAATAAGGA	TGATGTTCAA	CACAAGCAAG
>608819IH	GAATCCACCA	AGACCTGAAA	TTAATAAGGA	TGATGTTCAA	CACAAGCAAG
>1628509	GAATCCACCA	AGACCTGAAA	TTAATAAGGA	TGATGTTCAA	CACAAGCAAG
Consensus	GAATCCACCA	AGACCTGAAA	TTAATAAGGA	TGATGTTCAA	CACAAGCAAG
>1737775IH	TGTGTTTCAG	CAGAACATCC	TCGGGAGGCT	CATTTGTGGC	TTCTGATGTC
>608819IH	TGTGTTTCAG	CAGAACATCC	TCGGGAGGCT	CATTTGTGGC	TTCTGATGTC
>1628509	TGTGTTTCAG	CAGAACATCC	TCGGGAGGCT	CATTTGTGGC	TTCTGATGTC
Consensus	TGTGTTTCAG	CAGAACATCC	TCGGGAGGCT	CATTTGTGGC	TTCTGATGTC
>1737775IH	CCAAATGCTC	CCATACCTGA	TCTCTTCCCA	CCTGGCCAAA	TCACCGACCT
>608819IH	CCAAATGCTC	CCATACCTGA	TCTCTTCCCA	CCTGGCCAAA	TCACCGACCT
>1628509	CCAAATGCTC	CCATACCTGA	TCT		
>2060739					ACCT
Consensus	CCAAATGCTC	CCATACCTGA	TCTCTTCCCA	CCTGGCCAAA	TCACCGACCT

FIG. 1E



>1737775IH	GAAGGCGGAA	ATTCACGGGG	GCAGTCTCAT	TAATCTGACT	TGGACAGCTC
>608819IH	GAAGGCGGAA	ATTCACGGGG	GCAGTCTCAT	TAATCTGACT	TGGACAGCTC
>2060739	GAAGGCGGAA	ATTCACGGGG	GCAGTCTCAT	TAATCTGACT	TGGACAGCTC
Consensus	GAAGGCGGAA	ATTCACGGGG	GCAGTCTCAT	TAATCTGACT	TGGACAGCTC
>1737775IH	CTGGGGATGA	TTATGACCAT	GGAACAGCTC	ACAAGTATAT	CATTCGAATA
>608819IH	CTGGGGATGA	TTATGACCAT	GGAACAGCTC	ACAAGTATAT	CATTCGAATA
>2060739	CTGGGGATGA	TTATGACCAT	GGAACAGCTC	ACAAGTATAT	CATTCGAATA
Consensus	CTGGGGATGA	TTATGACCAT	GGAACAGCTC	ACAAGTATAT	CATTCGAATA
>1737775IH	AGTACAAGTA	TTCTTGATCT	CAGAGACAAG	TTCAATGAAT	CTCTTCAAGT
>608819IH	AGTACAAGTA	TTCTTGATCT	CAGAGACAAG	TTCAATGAAT	CTCTTCAAGT
>2060739	AGTACAAGTA	TTCTTGATCT	CAGAGACAAG	TTCAATGAAT	CTCTTCAAGT
Consensus	AGTACAAGTA	TTCTTGATCT	CAGAGACAAG	TTCAATGAAT	CTCTTCAAGT
>1737775IH	GAATACTACT	GCTCTCATCC	CAAAGGAAGC	CAACTCTGAG	GAAGTCTTTT
>608819IH	GAATACTACT	GCTCTCATCC	CAAAGGAAGC	CAACTCTGAG	GAAGTCTTTT
>2060739	GAATACTACT	GCTCTCATCC	CAAAGGAAGC	CAACTCTGAG	GAAGTCTTTT
Consensus	GAATACTACT	GCTCTCATCC	CAAAGGAAGC	CAACTCTGAG	GAAGTCTTTT
>1737775IH	TGTTTAAACC	AGAAAAACATT	ACTTTTGAAA	ATGGCACAGA	TCTTTTCATT
>608819IH	TGTTTAAACC	AGAAAAACATT	ACTTTTGAAA	ATGGCACAGA	TCTTTTCATT
>2060739	TGTTTAAACC	AGAAAAACATT	ACTTTTGAAA	ATGGCACAGA	TCTT
>1624934				ACAGA	TCTTTTCATT
Consensus	TGTTTAAACC	AGAAAAACATT	ACTTTTGAAA	ATGGCACAGA	TCTTTTCATT
>1737775IH	GCTATTCAGG	CTGTTGATAA	GGTCGATCTG	AAATCAGAAA	TATCCAACAT
>608819IH	GCTATTCAGG	CTGTTGATAA	GGTCGATCTG	AAATCAGAAA	TATCCAACAT
>1624934	GCTATTCAGG	CTGTTGATAA	GGTCGATCTG	AAATCAGAAA	TATCCAACAT
Consensus	GCTATTCAGG	CTGTTGATAA	GGTCGATCTG	AAATCAGAAA	TATCCAACAT
>1737775IH	TGCACGAGTA	TCTTTGTTTA	TTCCTCCACA	GACTCCGCCA	GAGACACCTA
>608819IH	TGCACGAGTA	TCTTTGTTTA	TTCCTCCACA	GACTCCGCCA	GAGACACCTA
>1624934	TGCACGAGTA	TCTTTGTTTA	TTCCTCCACA	GACTCCGCCA	GAGACACCTA
>1800229		GTTTA	TTCCTCCACA	GACTCCGCCA	GAGACACCTA
Consensus	TGCACGAGTA	TCTTTGTTTA	TTCCTCCACA	GACTCCGCCA	GAGACACCTA
>1737775IH	GTCCTGATGA	AACGTCTGCT	CCTTGTCCTA	ATATTCATAT	CAACAGCACC
>608819IH	GTCCTGATGA	AACGTCTGCT	CCTTGTCCTA	ATATTCATAT	CAACAGCACC
>1624934	GTCCTGATGA	AACGTCTGCT	CCTTGTCCTA	ATATTCATA	
>1800229	GTCCTGATGA	AACGTCTGCT	CCTTGTCCTA	ATATTCATAT	CAACAGCACC
Consensus	GTCCTGATGA	AACGTCTGCT	CCTTGTCCTA	ATATTCATAT	CAACAGCACC
>1737775IH	ATTCCTGGCA	TTCACATTTT	AAAAATTATG	TGGAAGTGGA	TAGGAGAACT
>608819IH	ATTCCTGGCA	TTCACATTTT	AAAAATTATG	TGGAAGTGGA	TAGGAGAACT
>1800229	ATTCCTGGCA	TTCACATTTT	AAAAATTATG	TGGAAGTGGA	TAGGAGAACT
>990829	GGCA	TTCACATTTT	AAAAATTATG	TGGAAGTGGA	TAGGAGAACT
Consensus	ATTCCTGGCA	TTCACATTTT	AAAAATTATG	TGGAAGTGGA	TAGGAGAACT

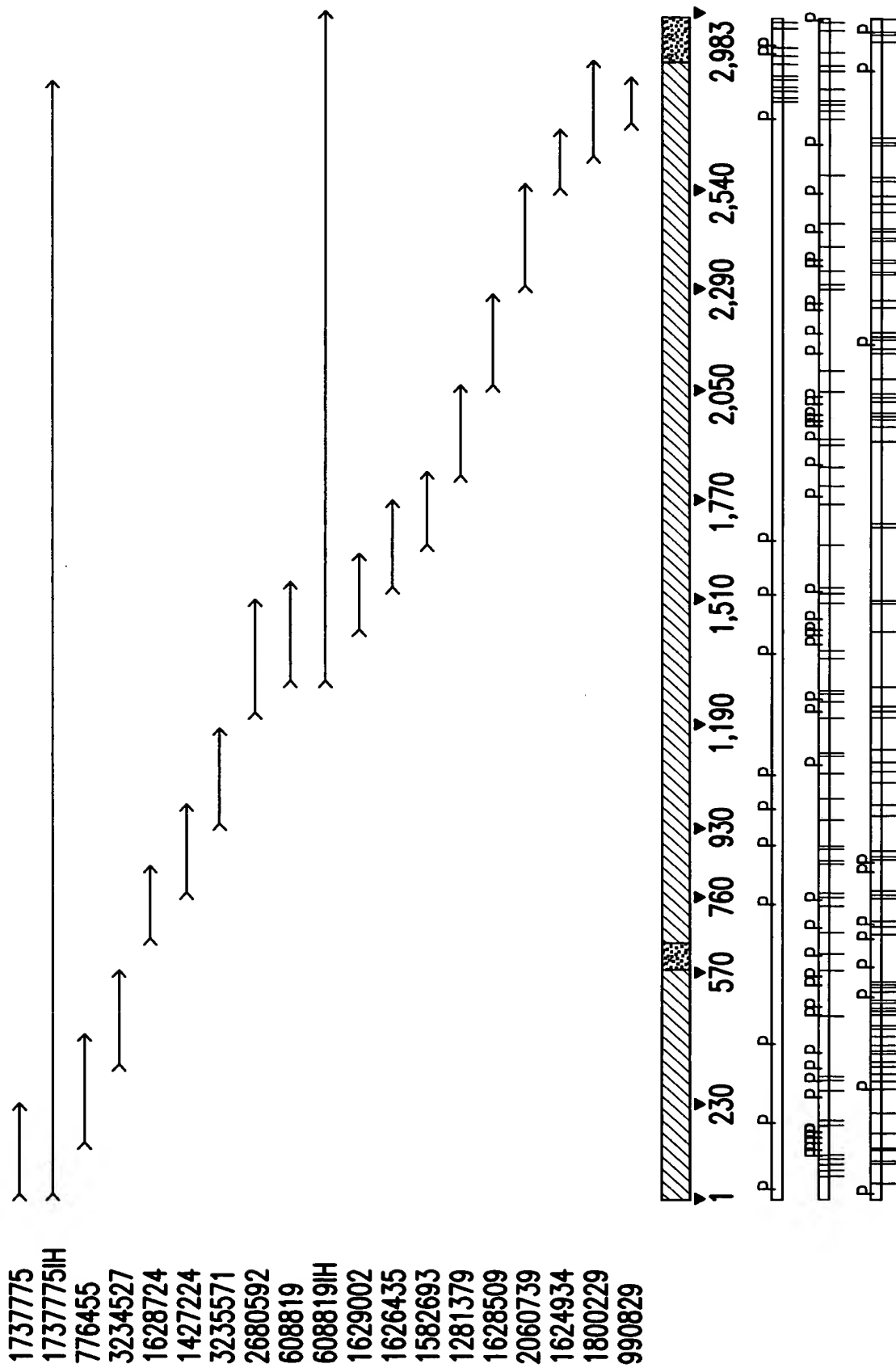
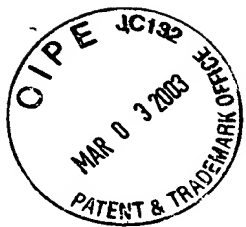
FIG. 1F



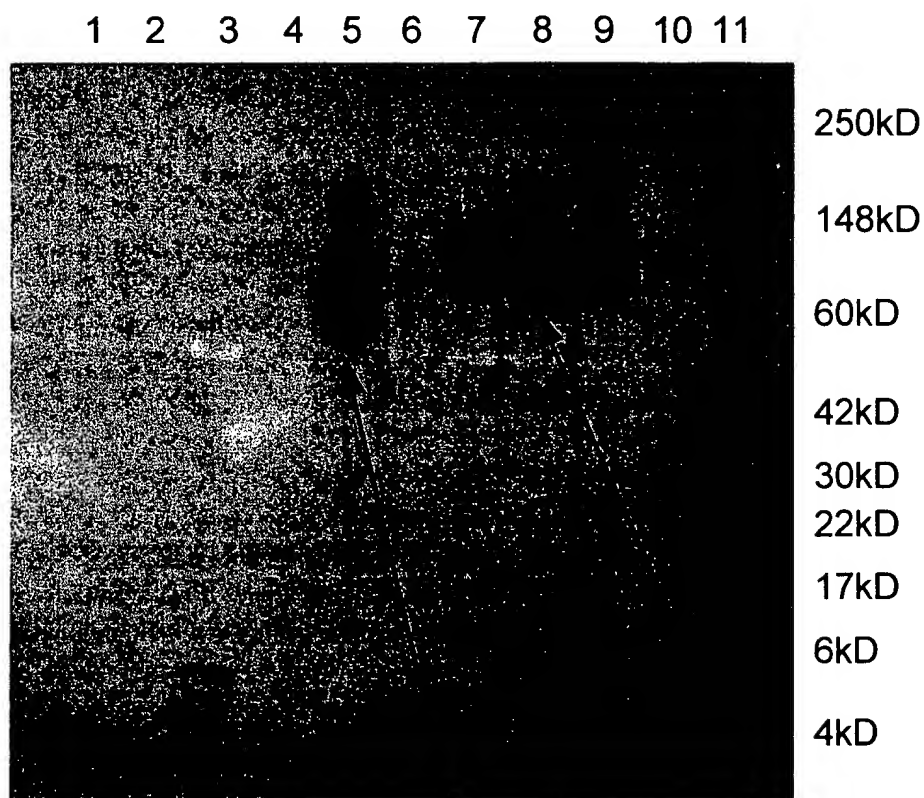


>1737775IH	GCAGCTGTCA ATAGCCTAGG GCTGAATTTT TGTCAGATAA ATAAAATAAA
>608819IH	GCAGCTGTCA ATAGCCTAGG GCTGAATTTT TGTCAGATAA ATAAAATAAA
>1800229	GCAGCTGTCA ATAGCCTAGG GCTGAATTTT TGTCAGATAA ATAAAATAAA
>990829	GCAGCTGTCA ATAGCCTAGG GCTGAATTTT TGTCAGATAA ATAAAATAAA
Consensus	GCAGCTGTCA ATAGCCTAGG GCTGAATTTT TGTCAGATAA ATAAAATAAA
>1737775IH	TCATTCATCC TTA
>608819IH	TCATTCATCC TTTTTTTTGA TTATAAAATT TTCTAAAATG TATTTTAGAC
>1800229	TCATTCATCC TTTTTTTTGA TTATAAAATT TTCTAAAATG TATTTTAGAC
>990829	TCATTCATCC TT
Consensus	TCATTCATCC TTTTTTTTGA TTATAAAATT TTCTAAAATG TATTTTAGAC
>608819IH	TTCCTGTAGG GGGCGATATA CTAAATGTAT ATAGTACATT TATACTAAAT
>1800229	TTCCTGT
Consensus	TTCCTGTAGG GGGCGATATA CTAAATGTAT ATAGTACATT TATACTAAAT
>608819IH	GTATTCCTGT AGGGGGCGAT AACTAAATG TATTTTAGAC TTCCTGTAGG
Consensus	GTATTCCTGT AGGGGGCGAT AACTAAATG TATTTTAGAC TTCCTGTAGG
>608819IH	GGGCGATAAA ATAAAATGCT AAACAACCTGG GTA
Consensus	GGGCGATAAA ATAAAATGCT AAACAACCTGG GTA

FIG. 1 G



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10914 U.S. PTO



Lane	Tissue	Lane	Tissue
1	Prostate	7	Colon
2	Breast	8	Colon
3	Bladder	9	Colon
4	Lung	10	Blank
5	Colon cancer	11	Markers
6	Colon cancer		

FIG.3

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